CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/RM/W.No.14/2017-18 Date: 07.09.2017

TEST REPORT

CLIENT	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
AGENCY	:	**Sri. R. Mangalraj,** Contractor, Bangalore.
NAME OF THE WORK	:	Improvements to roads and drains at Bhuvaneshwari Nagar Ward No 14 Bagalagunte, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	125 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	385 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

ಯುಲಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಪಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Lab No: CQCE/BBMP/RM/W.No.14/2017-18 Date : 07.09.2017

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Sri. R. Mangalraj,** Contractor, Bangalore.

Name of Work : Improvements to roads and drains at Bhuvaneshwari Nagar Ward No 14 Bagalagunte, BBMP, Bangalore.

Date of Testing : 07.09.2017

Material : Sand Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	82	8.20	8.20	91.8	90-100
2.36	148	14.80	23.00	77.0	75-100
1.18	179	17.90	40.90	59.1	55-90
600 Micron	163	16.30	57.20	42.8	35-59
300 Micron	159	15.90	73.10	26.9	8-30
150 Micron	195	19.50	92.60	7.4	0-10

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Ref No: CQCE/BBMP/RM/W.No.14/2017-18 Date : 07.09.2017

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **Sri. R. Mangalraj,** Contractor, Bangalore.

Name of Work : Improvements to roads and drains at Bhuvaneshwari Nagar Ward No 14 Bagalagunte, BBMP, Bangalore.

Date of Testing : 07.09.2017

Material : 40mm Aggregates

Total wt. of aggregates in gms = **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	78	0	0	100	100
40	236	1.57	1.57	98.43	95-100
20	8623	57.49	59.06	40.94	30-70
10	3189	21.26	80.32	19.68	10-35
4.75	2524	16.83	97.15	2.85	0-5

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

No.: CQCE/BBMP/RM/W.No.14/2017-18 Date : 07.09.2017

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

ient : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

gency : **Sri. R. Mangalraj,** Contractor, Bangalore.

me of Work : Improvements to roads and drains at Bhuvaneshwari Nagar Ward No 14 Bagalagunte, BBMP, Bangalore.

te of Testing : 07.09.2017

aterial : 20mm Aggregates

Total wt. of aggregates in gms = 5000

Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	73	0	0	100	100
20	174	3.5	3.5	96.5	95-100
10	3385	67.7	71.2	28.8	25-55
4.75	1271	25.4	96.6	3.4	0-10

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550